LOUVER·LITE

LOUVER·LITE

LOUVER·LITE

LOUVER·LITE

SUN CONTROL DEVICES

LOUVER-LITE CORP.

19-41 46 St., Long Island City 5, N.Y.

LOUVER-LITE

Solar Canopies

SUGGESTED SPECIFICATIONS

Cantilever Type

Furnish and install where indicated on the drawings Extruded Aluminum Solar Canopies Cantilever Type as manufactured by **LOUVER-LITE CORP., 19-41 46th Street, Long Island City 5, New York.**

Solar Canopies to be fabricated from Extruded Aluminum Sections. Blades shall be 12 gauge (.081 inch) in thickness with reinforcing beads — Fascia to be 12 gauge (.081 inch) in thickness — Outrigger Sections shall be ⅛" in thickness — all to be 6063-T-5 alloy. Special Wall Brackets designed to retain outriggers to be cast aluminum. Neoprene coatings to be provided where dissimilar materials are in contact. All fastenings to be aluminum or cadmium plated steel. Extruded Aluminum Fascia shall be installed without visible fastenings and shall be Style ("FA"; "FB"; "FO" or "FP") as directed by the Architect.

All Extruded Aluminum Sections except fascia shall be Mill Finish (state other Finish, if desired) cleaned, and coated with one coat methacrylate lacquer except fascia. Fascia alumilite satin finish lacquer coated
Shop drawings to be submitted for Architects approval.

Suspended Type

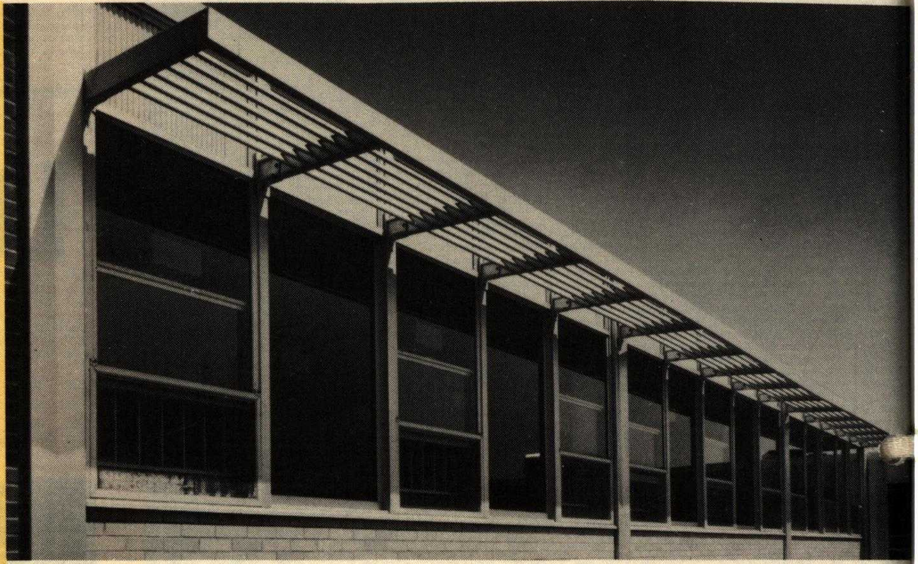
Furnish and install where indicated on the drawings Extruded Aluminum Solar Canopies Suspended Type as manufactured by **LOUVER-LITE CORP., 19-41 46th Street, Long Island City 5, New York.**

Solar Canopies to be fabricated from Extruded Aluminum Sections. Blades shall be 12 gauge (.081 inch) in thickness with reinforcing beads — Fascia to be 12 gauge (.081 inch) in thickness — Outrigger Sections shall be ⅛" in thickness — all to be 6063-T-5 alloy. Special Wall Brackets designed to retain outriggers to be cast aluminum. Neoprene coatings to be provided where dissimilar materials are in contact. All fastenings to be aluminum or cadmium plated steel. Extruded Aluminum Fascia shall be installed without visible fastenings and shall be Style ("FA"; "FB"; "FC" or "FD") as directed by the Architect.

Special Wall Brackets and tie-in brackets are to be provided by the Manufacturer, together with ½" diameter Aluminum Suspension Rod, turnbuckles, and all other appurtenances therewith necessary for a complete installation as necessitated by structural and/or architectural requirements and details indicated on the drawings.

All Extruded Aluminum Sections except fascia shall be Mill Finish (state other Finish, if desired) cleaned, and coated with one coat methacrylate lacquer except fascia.
Fascia alumilite satin finish lacquer coated.
Shop drawings to be submitted for Architects approval.

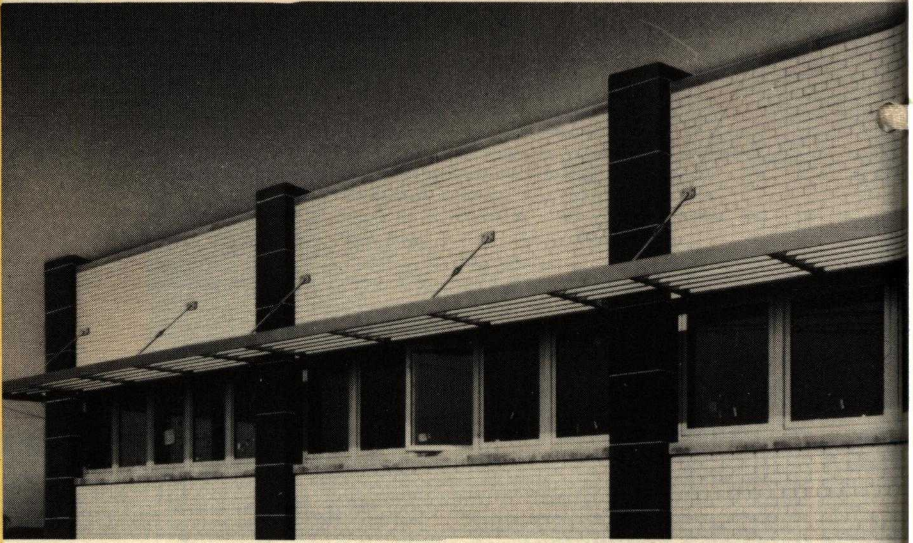
SHEET METAL WORKERS' INTERNATIONAL ASSOCIATION 2
ORGANIZED MAY 7·1903



CANTILEVER TYPE

Are best suited for new masonry or curtain wall buildings when under construction, as the supports for the outriggers are readily adaptable for installation to the structural framework.

This results in a neat, pleasing appearance, and also permits the installation at a time which minimizes erection costs and any possible damage to surface areas.



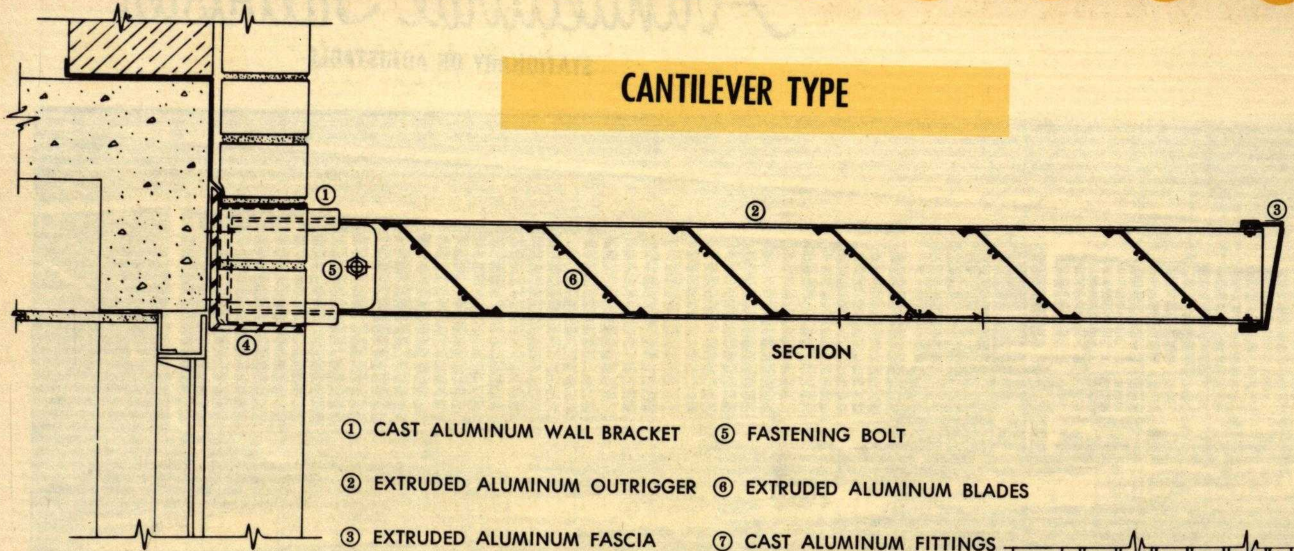
SUSPENDED TYPE

Are readily adaptable for installation on existing buildings. Special wall and tie-in brackets are designed for convenient installation and result in an attractive appearance. This type of canopy may be used with any type of structure and is particularly recommended for use in all installations where projection from the building line exceeds 5'-0.

CONSTRUCTION DETAILS

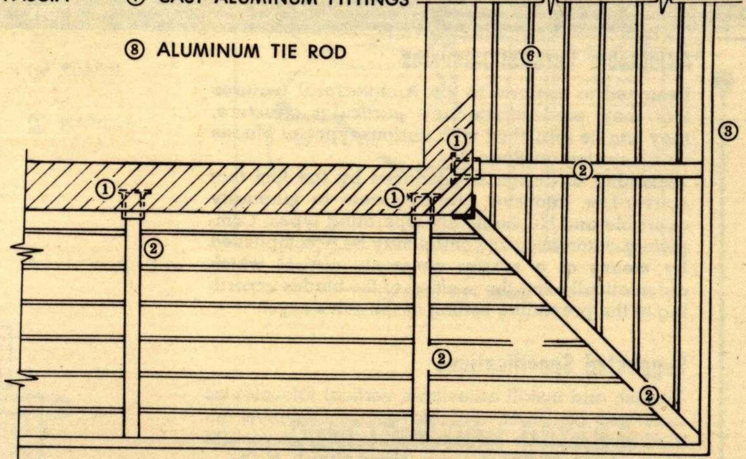
SCALE: 1½" = 1'-0"

CANTILEVER TYPE

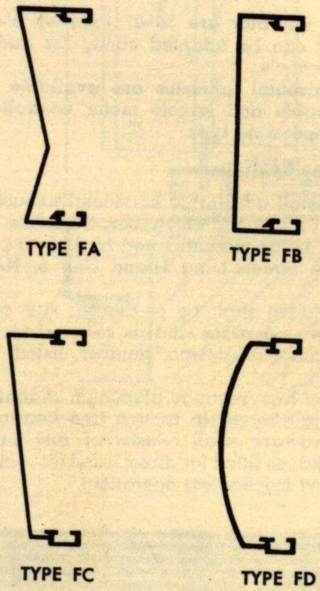


SECTION

① CAST ALUMINUM WALL BRACKET
② EXTRUDED ALUMINUM OUTRIGGER
③ EXTRUDED ALUMINUM FASCIA
④ STEEL LINTEL
⑤ FASTENING BOLT
⑥ EXTRUDED ALUMINUM BLADES
⑦ CAST ALUMINUM FITTINGS
⑧ ALUMINUM TIE ROD



PLAN — CANTILEVER SUN SHADE



TYPE FA

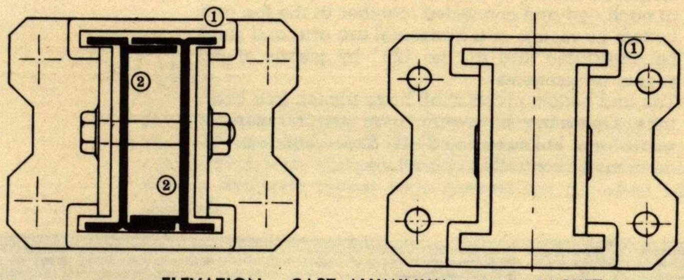
TYPE FB

TYPE FC

TYPE FD

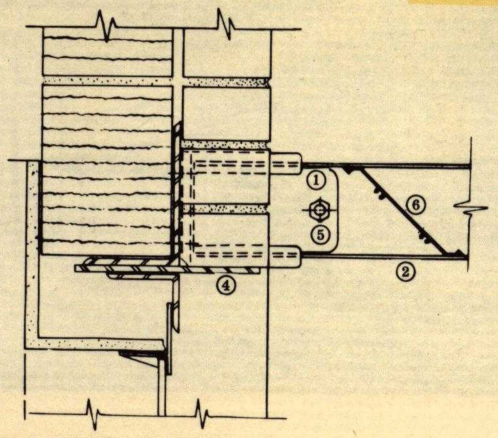
FASCIA TYPES

SCALE: 3" = 1'-0"

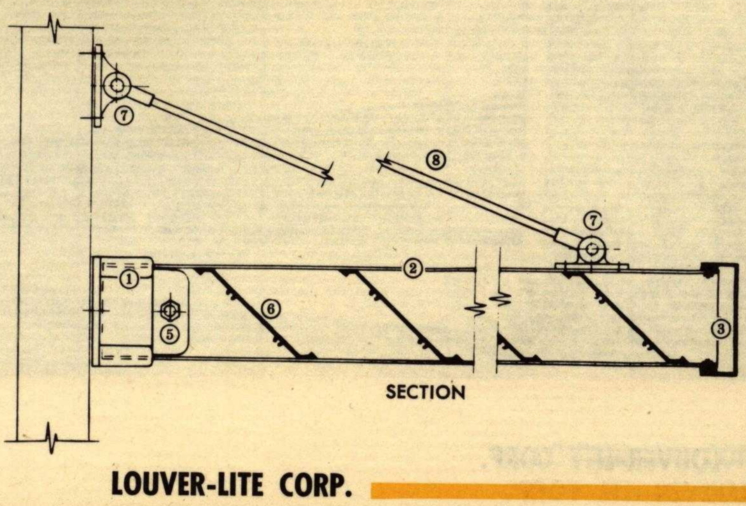


ELEVATION — CAST ALUMINUM WALL BRACKET

SUSPENDED TYPE



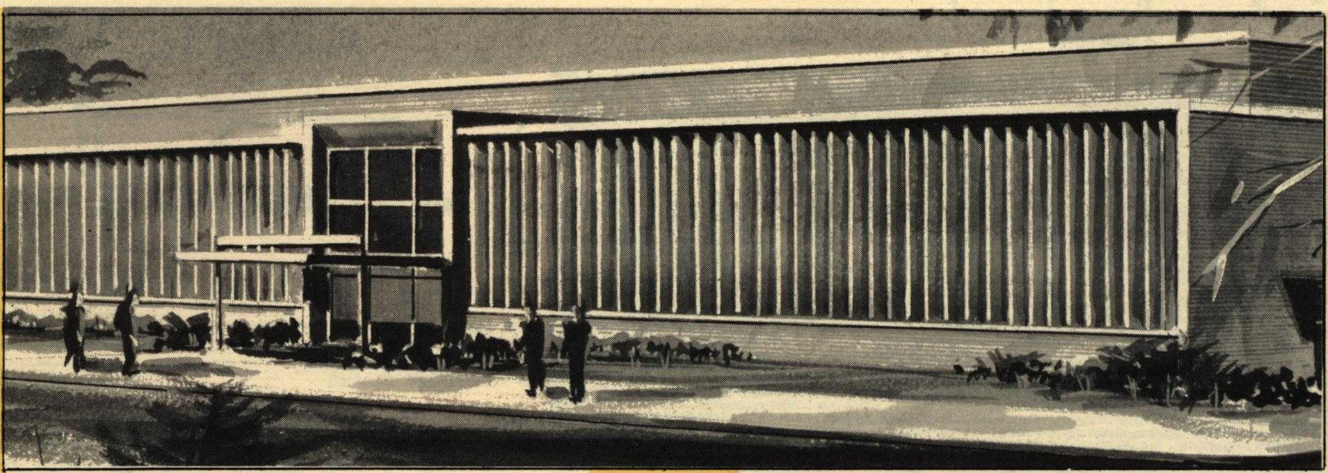
SECTION AT HEAD
FOR SUSPENDED STEEL LINTEL



SECTION

Architectural Jalousies

STATIONARY OR ADJUSTABLE



Adjustable Vertical Jalousies

Designed to conform to the Architectural features that may predominate any particular structure, they can be furnished with various types of blades as illustrated on Page 5.

Flexibility of design is enhanced by the fact that Louver-Lite Jalousies are available in Manually operable and Mechanically Operating types. Completely automatic sun control may be accomplished by means of a master electronic control which automatically sets the position of the blades according to the prevailing setting of the sun's rays.

Suggested Specifications

Furnish and install adjustable vertical jalousies as indicated on plans and elevations. Complete installation shall be as manufactured by Louver-Lite Corp., 19-41 46 Street, Long Island City 5, N. Y.

Frames and blades shall be of design, size and shape as shown on plans. Blades shall be pivoted at each end and connected together at the top and bottom by means of a horizontal arc arm and shall be adjustable thru an arc 125° by means of the proper adjustments.

Top and bottom pivots shall have friction free bearings. Operating hardware shall be of rust-proof gears and linkages fitted for direct hand (or remote motor controlled operation).

Adjustable Horizontal Jalousies

Designed for extended horizontal spans and vertical heights.

Sizes are limited by span and design of operators.

Absolute sun control can be attained as the blades are designed to pivot a full 90° in unison.

Units are top-hinged for ease of window cleaning and repairs.

Limits for one operator are 30'-0" long by 8'-6" high. This unit can be adapted easily for audio visual use in schools.

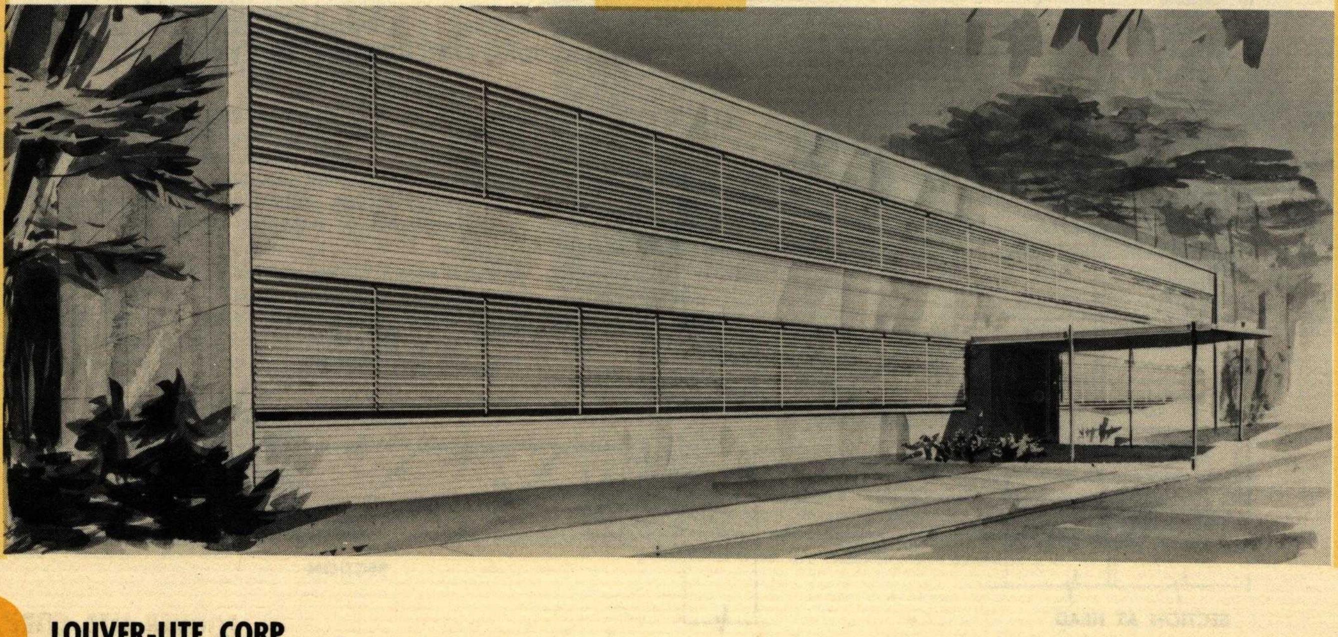
Louver-Lite horizontal jalousies are available in manually operable and remote motor controlled mechanically operating type.

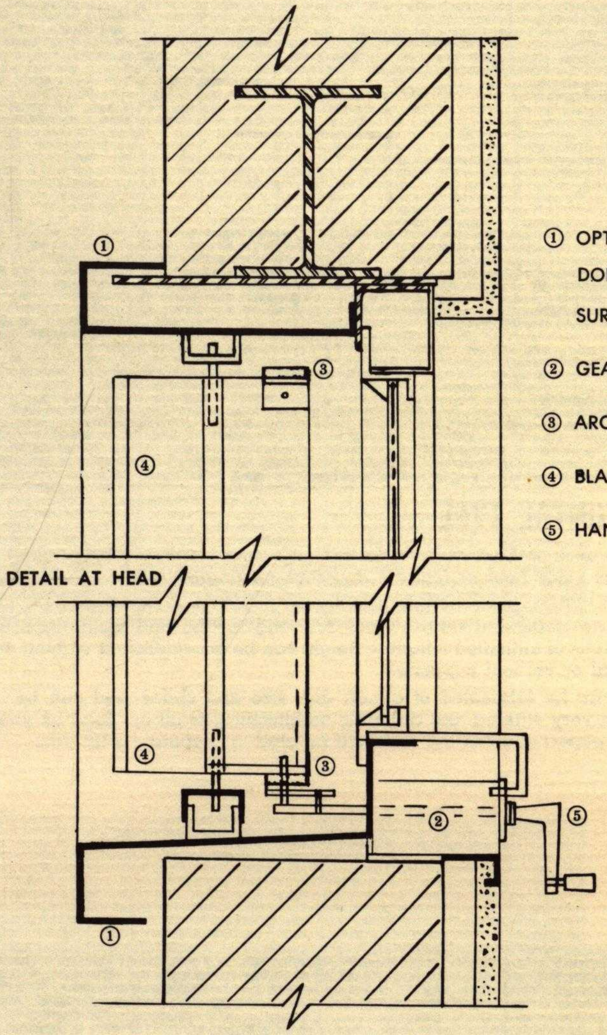
Suggested Specifications

Furnish and install adjustable horizontal jalousies as indicated on plans and elevations. Complete installation shall be as manufactured by Louver-Lite Corp., 19-41 46 Street, Long Island City 5, New York.

Frames and blades shall be of design, size and shape as shown on plans and as referred to by Louver-Lite catalogue design number listed on page 5.

Frames to be of heavy gauge aluminum channels; blade ends shall be set in friction free bearings. Operating hardware shall consist of rust-proof gears, and linkages fitted for direct hand (or remote motor controlled mechanical operation).

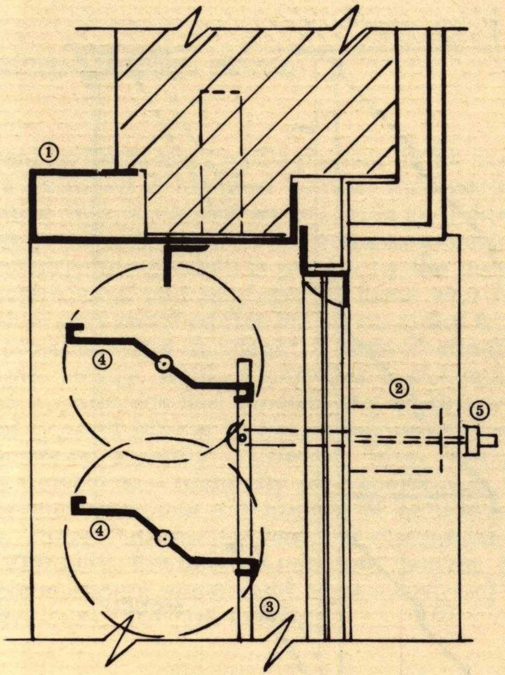




DETAIL AT HEAD

DETAIL AT SILL

① OPTIONAL DORMER SURROUNDS
② GEAR BOX
③ ARC ARM
④ BLADE
⑤ HANDLE



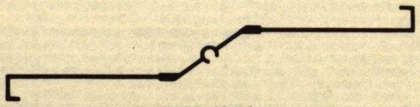
DETAIL AT JAMB

CONSTRUCTION DETAILS

SCALE: 1½" = 1'-0"

LL-JA

Aluminum Blades available in formed sections for widths up to 24" and heights of 20'-0" composed of interlocking heavy gauge aluminum sections. Can be had in any color finish and design. Synthetic rubber edge gaskets are furnished when requested.

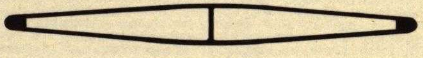


TYPE LL-JA

LL-JB

Air Foil Blades of fabricated sheet aluminum or fiber-glass reinforced plastic. Available in widths up to 24" and heights of 20'-0". Wall thicknesses dependant on material used and developed length of blades.

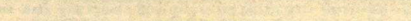
Extruded aluminum edges and synthetic rubber gaskets can be supplied when requested.



TYPE LL-JB

LL-JC

Flush Panel Blades of patterned aluminum, steel or porcelain finished exterior skins pressure bonded to a resin impregnated fire resistant honeycomb core. Available in widths up to 36" and thicknesses from ¾" to 6" for heights up to 30'-0" depending on blade thickness and developed length of blade.

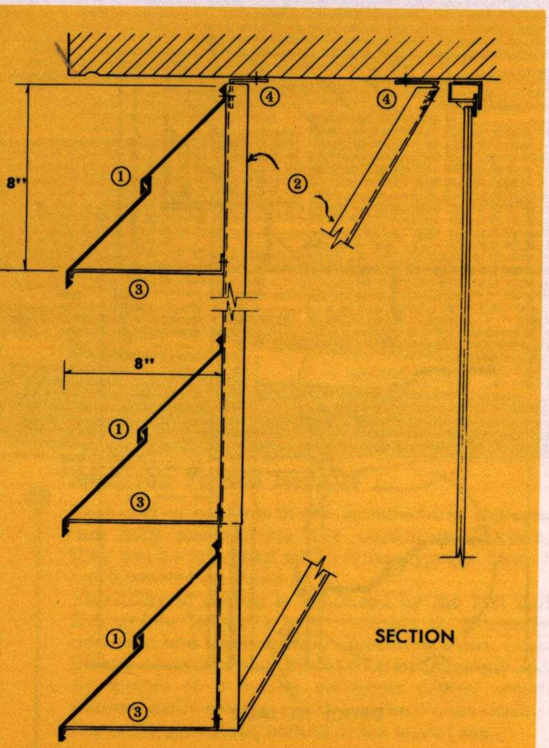


TYPE LL-JC

LOUVER-LITE

CONSTRUCTION DETAILS

SCALE: 1½" = 1'-0"



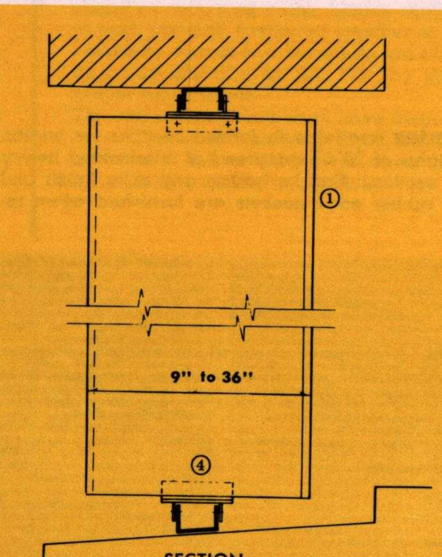
HORIZONTAL SOLAR SHADE

① SOLAR SHADE BLADE

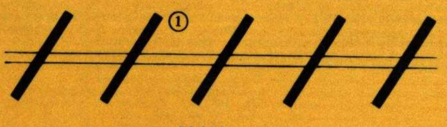
③ BLADE BRACKET

② ALUMINUM CHANNEL SUPPORTS

④ FASTENING BRACKET

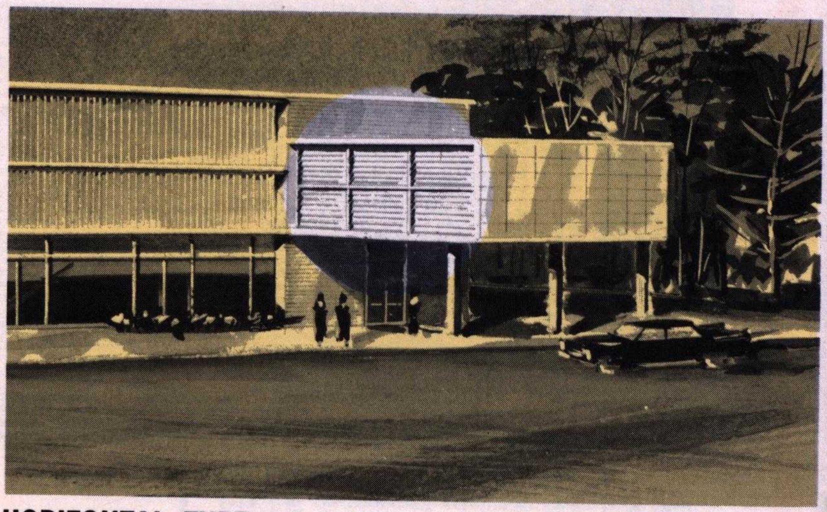


SECTION



PLAN
VERTICAL SOLAR SHADE

Fixed Louver Solar Shades

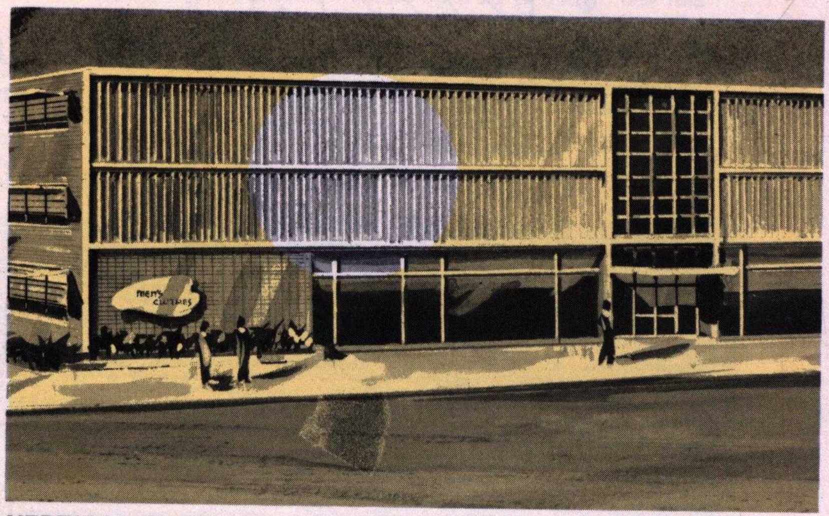


HORIZONTAL TYPE

Are best used on Eastern and Western exposures, to protect large glass areas from excessive solar heat and glare, and thus eliminate the use of fabric shades and venetian blinds.

Louver-Lite Horizontal solar shades are long lasting and maintainance free. Continuous runs of unlimited length or height can be accomplished without any exposed horizontal or vertical supports.

Blades can be fabricated of almost any size and shape and can be used to accomplish very striking and dramatic architectural features. Send us your problems and our expert engineering staff will be glad to cooperate with you.



VERTICAL TYPE

Louver-Lite Solar Shades are an attractive and functional device to control excessive heat and glare.

The reflectivity of aluminum and the division of light by the baffled louvers, directs the hot rays of the sun away from the window before it passes thru the glass.

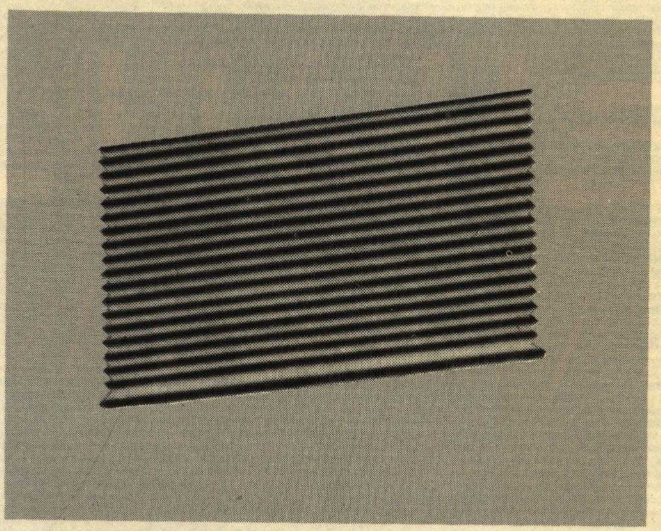
This type of shading prevents the excessive heat from entering the interior.

Louver-Lite Solar Shade construction will reduce heat loads resulting in economical operation of cooling systems.

At its initial installation where no cooling exists, the room temperature will be considerably lower, and proper light levels in work areas will be maintained.

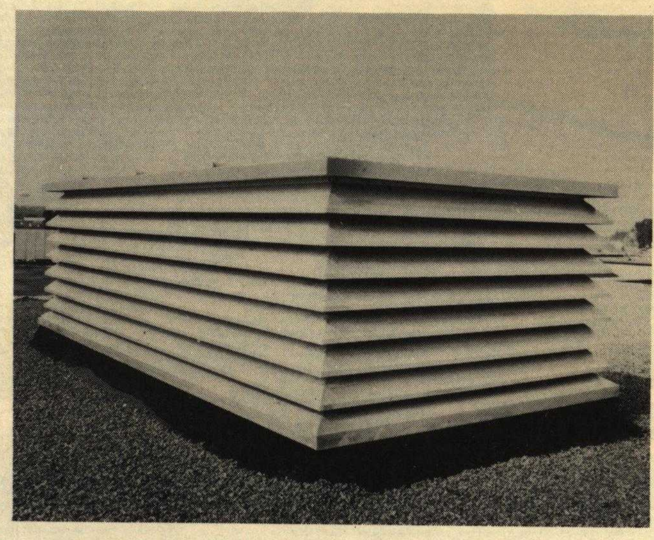
Refer to Page 5 of this catalogue for suggested blade types.

OTHER LOUVER-LITE PRODUCTS



extruded aluminum louvers

Louver-Lite Corp. has been a pioneer in the design of the Extruded Aluminum Louver. Incorporating the latest design features so desirable to architects and engineers, its wide acceptance as an outstanding construction product is proven by the number of architectural and engineering firms who have specified and installed this louver on many important projects. Light in weight — high in structural strength, sturdy, rigid, it provides a streamlined unit in appearance that exceeds any other conventional type of louver in corrosion resistance — dimensional stability — freedom from vibration noise nuisances — immunity to discoloration and stains—and complete elimination of maintenance costs. These outstanding features distinguish the LOUVER-LITE Extruded Aluminum Louver from the conventional sheetmetal type — AND AT NO EXTRA COST TO THE OWNER.



louvered penthouses

The Completely prefabricated Extruded Aluminum Penthouse, ready to be installed on curb, has been designed as a shop assembled stormproof structure. This method reduces costs in both construction and installation.

LOUVER-LITE Louvered Penthouses are engineered to meet any size and design for all types of Structural, Architectural and Mechanical requirements. Penthouses up to ~~64'-0"~~ long and ~~14'-0"~~ wide have already been built.

158'-0" 21'-0"

SHEET METAL WORKERS' INTERNATIONAL ASSOCIATION 2 ORGANIZED MAY 7-1903

SEE OUR SPECIAL BROCHURE DESCRIBING AND ILLUSTRATING A COMPLETE LINE OF THESE PRODUCTS IN ANOTHER SECTION OF SWEETS ARCHITECTURAL AND INDUSTRIAL CONSTRUCTION FILES.

Louver Catalog $\frac{8c}{Lo}$ IC Louver Catalog $\frac{14c}{Lo}$ A Sun Control $\frac{19e}{Lo}$ A

LOUVER-LITE CORP. • 19-41 46th St., Long Island City 5, N. Y. • RAvenswood 1-4242

INSTALLATIONS

Alabama:
Holy Family School, Birmingham
Wilmot C. Douglas, Archt.

Arkansas:
Oklahoma Tire & Supply Co. Whse.
Little Rock, Arkansas
H. Allen Gibson, Archt.

California:
U. C. Bevatron Rad. Lab., Berkeley
Milton T. Pflueger, Archt.
Pacific Tel. & Tel. Co., Fremont

Colorado:
Audubon Hts. & Venetian Village
Schools—Colorado Springs
Francis Guy, Archt.
Caterpillar Tractor Bldg., Denver
Foster Orr, Contractor
U. S. Air Force Academy
Skidmore, Owings & Merrill, Archts

Connecticut:
Jr.-Sr. High School, Old Saybrook
Warren B. Ashley, Archt.
Pitney-Bowes, Inc., Stamford
L. F. Caproni, Archt.
Norwich State Hospital, Norwich
Lester Jajulianelle, Archt.

Delaware:
International Latex Corp.—Dover, De
Vincent Kling, Archt.

Florida:
Duval Co. Court House, Jacksonville
Reynolds, Smith & Hills, Archt.
Comm. Off. Mess—U.S. AF Base,
Cecil F'ld, Fla.
M. Tony Sherman & Associates, Archt.

Illinois:
American Medical Colleges, Chicago
Halabird & Root & Burgee, Archt.
Civic Opera or Kemper Bldg.—Chicago, Ill.
Childs & Smith, Archt.
Kiwanis International Office Bldg.,
Chicago, Ill.
Mielke & Smith, Archt.

Indiana:
Lebanon High School, Lebanon

Louisiana:
Southern University, Scotlandville
Carl L. Olschner & W. J. Nolan, Archt.
Moosa Memorial Hosp., Eunice
August Perez & Assoc., Archts.
Supreme Court Bldg., New Orleans
Kaiser Aluminum & Chemical Co., Chalmette
Kaiser Engineers, Archt.

Maryland:
St. Paul's Methodist Church, Kensington
Johannes & Murray, Archts.
Old Age Security Bldg.—Balt., Md.
McCloskey, Archt.

Michigan:
National Bank, Detroit
Roy W. Akitt, Archt.
Northern Michigan College, Marquette

Minnesota:
G. H. Tennant Co. Bldg., Golden Valley
Magney, Tusler & Setter, Archts.
Northwestern Bell Telephone Bldg.
Thief River Falls
Magney, Tusler & Setter, Archts.
Social Science Bldg., St. Paul
Magney, Tusler & Setter, Archts.
Telephone Bldg., Crookston
Magney, Tusler & Setter, Archts.
Bovey Jr. High School, Bovey
Benson Mfg. Co., G. C.

Missouri:
St. Patrick's Parish, St. Louis
Murphy & Mackey, Archts.

North Carolina:
Lenoir-Rhyne College, Hickory
Clemmer & Horton, Archts.

North Dakota:
Mercy Hospital, Valley City
Hills, Gilbertson & Haye, Archts.

New Jersey:
Burlington Co. Office Bldg., Mt. Holly
Micklewright & Mountford, Archt.
Bendix Aircraft, Teterboro
Chas. S. Cleveland, Archt.
New Jersey State Hosp., New Lisbon
Vincent G. Kling, Archt.
Bakelite Corp.—Bound Brook, N. J.
Fellheimer, Stewart & Wagner, Archt.
Forrestal Research Center, Princeton
Princeton High School, Princeton
Vogelbach & Baumann, Engineers
Minerals & Chem. Corp. of Woodbridge
Chapman, Evans & Delehanty, Archt.
B. Altman Co., Short Hills
Skidmore, Owings & Merrill, Archts.
Bergen Mall Shopping Center, Paramus
John Graham & Co., Archts.
Bell Telephone Bldg., Plainfield
Syska & Hennessy, Inc., Engineers
St. Paul's Convent, Princeton
Thomas H. Moran, Archt.

New York:
Brookhaven Nat'l Lab., Camp Upton
Stone & Webster, Archt.
Long Island Lighting Co.—Port Jefferson
Ebasco Services, Archt. & Engrs.
Nestlé Co. Office Bldg., White Plains
Eggers & Higgins, Archt.
Suffolk Co. Office Bldg., Southampton
Louis Jallade, Archt.
Gulf Oil Administration Bldg.—Staten Island
Kennith Milne, Archt.
Fifty-ninth St. Power Plant, N.Y.C.
N.Y.C. Transit Authority, Archt.
Daily News Bldg.—N.Y.C.
Meyer, Strong & Jones, Engrs.
Harrison Abromowitz, Archt.
Turner Construction, G. C.
Beach Shopping Center, Peekskill
Schulman & Soloway, Archt.
Hippodrome Garage, N.Y.C.
Kahn & Jacobs, Archt.
Colgate-Palmolive Bldg., N.Y.C.
Emery Roth & Sons, Archts.
N.Y. State Thruway Restaurant
Eggers & Higgins, Archt.
Nassau Co. Jail, Hempstead
Chapman, Evens & Delehanty, Archts.
Hempstead Shopping Center, Hempstead
Cosentini Assoc., Engineers
South Madison School, Spring Valley
Louis J. Jallade, Archt.
Water Cooling Tower, Randalls Island
Guy B. Panero, Engineer
Seamen's Savings Bank, New York City
Voorhees, Walker, Smith & Smith, Archt.
Macy's Roosevelt Field, Hempstead
Skidmore, Owings & Merrill, Archts.
Eastern Airlines—Idlewild Airport, N.Y.
Chester L. Churchill, Archt.
Bellevue Hospital, N.Y.C.
Fellheimer & Wagner, Archts.
Equitable Life Assurance Co., N.Y.C.
Edward E. Ashley, Archt.
Syosset High School, Syosset
Eggers & Higgins, Archts.
Jos. Schlitz Brewing Co., Inc., Brooklyn
Kahn & Jacobs, Archts.
Geriatrics Bldg. State Hosp., Middletown
New York State Architects
Bankers Trust Co.
529 Fifth Ave., N.Y.C.
Emery Roth, Archt.
Gen'l Motors Aluminum Foundry
Chevrolet Div.—Massena, N.Y.
Amedia Leone, Archt.
United Airlines—Idlewild Airport, N.Y.
Skidmore, Owings & Merrill, Archts.
Main Office Bldg.—N.Y. Tele. Co.
32 Sixth Ave., N.Y.C.
Voohrees, Walker & Smith, Archt.
Ichabod Crane School, Valatie
John H. Fisher, Archt.
Great South Bay Shopping Center, Babylon
A. H. Salkowitz, Archt.

Ohio:
Hamilton Mutual Insurance Co., Cincinna
Pepinsky, Grau & Shrand, Archts.
Washington Pk. Elem. School, Cincinnati

Pennsylvania:
Hospital, Delaware County
George M. Ewing, Archt.
Plymouth Whitemarsh H. S., Montgomer
Joseph Wigmore, Archt.
Osborne Bell Tele. Co., Hatboro
Borie & Smith, Archts.
Jefferson Bell Tele. Bldg., Philadelphia
Maurice Fletcher, Archt.
Paper Co., Downingtown
Wright, Andrade & Amenta, Archts.
Commonwealth Tele. Bldg., Elizabethvill
Lacy, Atherton & Davis, Archts.
Pennsylvania Lumbermen's Mutual
Insurance Bldg., Philadelphia
W. R. Cosentini & Assoc., Engineers

Rhode Island:
Owens-Corning Fiberglas Corp., Ashton
Ebasco Services, Inc., Engineers

Texas:
Yates High School, Houston
Herbert Volleker & Assoc., Archt.
State Farm Colony, Austin
Bd. For Texas State Hosps., Archt.
Elementary School, Pharr
Caudill-Rowlett-Scott Assoc., Archts.

Wisconsin:
Camp Randall Memorial Stadium
University of Wisconsin, Madison
Ammann and Whitney, Engineers

Virginia:
Bell Telephone Co., Danville
Baskervill & Son, Archts.
Mt. Daniel School, Falls Church
McHugh & Graham, Archts.

West Virginia:
Ohio Valley Gen'l Hosp., Wheeling
Frederick Feris & L. P. Johnston, Archts.

South America:
Staff Elementary School, Toquepapa, Peru
The Stearns-Roger Co., Archts.
Staff Elementary School, Ilo, Peru
The Stearns-Roger Co., Archts.
Marvel Arch Wonder Buildings (Caracas Airport)
Venezuela, South America

Philippine Islands:
U.S. Naval Supply Depot, Subic Bay
Law & Wilson, Archt.

LOUVER-LITE

REPRESENTATIVES IN ALL PRINCIPAL CITIES IN U.S.A., CANADA, and HAWAII

19-41 46th ST. • LONG ISLAND CITY 5, NEW YORK
RAVENSWOOD 1-4242

Digitized by:

INTERNATIONAL

ASSOCIATION
FOR
PRESERVATION
TECHNOLOGY,
INTERNATIONAL
www.apti.org

BUILDING
TECHNOLOGY
HERITAGE
LIBRARY

https://archive.org/details/buildingtechnologyheritagelibrary

From the collection of:

Carol J. Dyson, AIA